

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>P16872PC/MH</b>	<b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416	
International application No. <b>PCT/SE2003/002018</b>	International filing date ( <i>day/month/year</i> ) <b>18-12-2003</b>	Priority date ( <i>day/month/year</i> )
International Patent Classification (IPC) or national classification and IPC <b>See Supplemental Box</b>		
Applicant <b>Telefonaktiebolaget L M Ericsson (publ) et al</b>		

  

1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2.	This REPORT consists of a total of <u>  7  </u> sheets, including this cover sheet.
3.	This report is also accompanied by ANNEXES, comprising: <div style="margin-left: 20px;">           a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows:           <div style="margin-left: 20px;"> <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).  <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.           </div> </div> <div style="margin-left: 20px;">           b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).         </div>

  

4.	This report contains indications relating to the following items: <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> Box No. I      Basis of the report  <input type="checkbox"/> Box No. II     Priority  <input type="checkbox"/> Box No. III    Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  <input type="checkbox"/> Box No. IV    Lack of unity of invention  <input checked="" type="checkbox"/> Box No. V      Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  <input type="checkbox"/> Box No. VI     Certain documents cited  <input type="checkbox"/> Box No. VII    Certain defects in the international application  <input checked="" type="checkbox"/> Box No. VIII   Certain observations on the international application         </div>
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Date of submission of the demand  <b>26-04-2005</b>	Date of completion of this report  <b>12-01-2006</b>
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM  Facsimile No. +46 8 667 72 88	Authorized officer  <b>Roland Landström /itw</b> Telephone No. +46 8 782 25 00

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

International application No.

PCT/SE2003/002018

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.  
Continuation of: Cover sheet

**INTERNATIONAL PATENT CLASSIFICATION (IPC) :**

**H04M 1/02 (2006.01)**

## Box No. I Basis of the report

## 1. With regard to the language, this report is based on:



the international application in the language in which it was filed

a translation of the international application into \_\_\_\_\_,  
which is the language of a translation furnished for the purposes of:

international search (Rules 12.3(a) and 23.1(b))



publication of the international application (Rule 12.4(a))



international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished



the description:

pages \_\_\_\_\_ as originally filed/furnished

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_



the claims:

pages \_\_\_\_\_ as originally filed/furnished

pages\* \_\_\_\_\_ as amended (together with any statement) under Article 19

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_



the drawings:

pages \_\_\_\_\_ as originally filed/furnished

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_



a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

the description, pages \_\_\_\_\_



the claims, Nos. \_\_\_\_\_



the drawings, sheets/figs \_\_\_\_\_

the sequence listing (*specify*): \_\_\_\_\_any table(s) related to the sequence listing (*specify*): \_\_\_\_\_4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages \_\_\_\_\_



the claims, Nos. \_\_\_\_\_



the drawings, sheets/figs \_\_\_\_\_

the sequence listing (*specify*): \_\_\_\_\_any table(s) related to the sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/002018

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	<u>3 - 4, 13</u>	YES
	Claims	<u>1 - 2, 5 - 12, 14 - 15</u>	NO
Inventive step (IS)	Claims		YES
	Claims	<u>1 - 15</u>	NO
Industrial applicability (IA)	Claims	<u>1 - 15</u>	YES
	Claims		NO

## 2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: WO 0135613 A1

D2: US 20020175665 A1

D3: WO 0002361 A1

D4: US 6243596 B1

D5: US 20020013161 A1

D6: DE 10019651 A1

The invention relates to an exchangeable power-supplying unit arranged to supply electric power to a device, a device comprising an exchangeable power-supplying unit, a telecommunication system comprising a device and a method for providing a device with one or several additional functionalities.

The invention is intended to provide an additional function to the device.

Document D1 (page 6, line 24 - page 10, line 33, figures 1 - 2, abstract) discloses an exchangeable power-supplying unit (100B, 100C) arranged to supply electric power to a device (mobile telephone 100A). The power-supplying unit (100B, 100C) has a mass-storage (149) and a processing unit (129, 129', 147) and communicates (interface 127) information with the device (100A) in order to provide the device (100A) with additional functionalities (GPS 131, Bluetooth 133).

.../...

**Box No. VIII** Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The construction and use of the device are not clear from independent claims 1, 8, 11 and 12. Therefore, these independent claims do not meet the requirement following from Article 6 PCT taken in combination with Rule 6.3(b) PCT that any independent claim must contain all the technical features essential to the definition of the invention.

## Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

Document D2 (page 1, column 1, line 1 - page 11, column 2, line 18, figures 1 - 5, abstract) discloses an exchangeable power-supplying unit (10) arranged to supply electric power to a device (PDA or mobile telephone 90). The power-supplying unit (10) has a processing unit (22) and communicates information with the device (90) in order to provide the device (90) with an additional functionality (media decoder).

Document D3 (page 2, line 11 - page 9, line 36, figures 1 - 3, abstract) discloses an exchangeable power-supplying unit (60; see page 7, line 33 - page 8, line 2) arranged to supply electric power to a device (mobile terminal 10). The power-supplying unit (10) has a memory (81, 82), a data bus (85) and a processing unit (70) and communicates information with the device (10) in order to provide the device (10) with one or several additional functionalities (applications).

Document D4 (column 15, line 10 - column 19, line 42, figures 9 - 12, abstract) discloses an exchangeable power-supplying unit (100) arranged to supply electric power to a device (mobile phone 310). The power-supplying unit (100) has a memory (403, 404) and a processing unit (CPU 401), and communicates information with the device (310) in order to provide the device (310) with an additional functionality (acting as a portable computer with Internet browsing, see column 15, lines 10 - 13).

Document D5 (page 1, column 1, line 1 - page 5, column 1, line 13, figures 1 - 5, abstract) discloses an exchangeable power-supplying unit (10) arranged to supply electric power to a device (mobile telephone 48). The power-supplying unit (10) has a processing unit (130) and communicates information with the device (48) in order to provide the device (48) with an additional functionality (camera).

Document D6 (column 1, line 1 - column 3, line 27, figure 1, abstract) discloses an exchangeable power-supplying unit (9) arranged to supply electric power to a device (mobile telephone, PDA, laptop 1). The power-supplying unit (9) communicates with the device (1) in order to provide the device (1) with additional functionalities (GPS).

.../...

## Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

The invention claimed in claims 1 - 2, 5 - 12 and 14 - 15 is at least essentially known from document D1. Thus, the invention claimed in claims 1 - 2, 5 - 12 and 14 - 15 is not new and consequently lacks novelty and inventive step. Claims 1 - 2, 5 - 12 and 14 - 15 fulfil the requirement of industrial applicability.

Documents D2 - D6 show a similar art.

In claims 3 - 4 and 13 slight constructional variations are suggested that are obvious to a person skilled in the art. Thus, the invention claimed in claims 3 - 4 and 13 is novel but lacks an inventive step. Claims 3 - 4 and 13 fulfil the requirement of industrial applicability.

To sum up, the invention claimed in claims 1 - 2, 5 - 12 and 14 - 15 lacks novelty and inventive step, and the invention claimed in claims 3 - 4 and 13 is novel but lacks an inventive step. All the claims fulfil the requirement of industrial applicability.